

## EAST Search History

| Ref # | Hits    | Search Query   | DBs                     | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|-------------------------|------------------|---------|------------------|
| S1    | 1       | 10/786173.app.   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 17:46 |
| S2    | 1832    | ((369/53.2) or (369/53.22) or (369/53.3) or (369/53.37) or (369/59.15) or (369/124.11)). CCLS. | US-PGPU B; USPAT; USOCR | OR               | OFF     | 2006/10/25 17:47 |
| S3    | 57441   | (switch\$4 chang\$4 adjust\$4) near3 gain  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 17:54 |
| S4    | 186162  | (speed velocity revol\$7 rotat\$7) near3 (disc disk medium)                                    | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 17:54 |
| S5    | 90      | S3 near10 S4   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 17:55 |
| S6    | 10      | S5 and S2  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:11 |
| S7    | 47      | S5 and "369".clas. not S6  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 17:56 |
| S8    | 289152  | (rf reproduc\$4 read\$4) near3 signal  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:32 |
| S9    | 29732   | S8 near4 (gain amplif\$8)  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:33 |
| S10   | 542     | S9 near10 (speed velocity revol\$7 rotat\$7)   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:33 |
| S11   | 27      | S10 and S2   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:34 |
| S12   | 1       | ("6442119").PN.  | US-PGPU B; USPAT; USOCR | OR               | OFF     | 2006/10/25 18:32 |
| S13   | 3192    | S8 near3 gain  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:45 |
| S14   | 7       | S13 near10 S4  | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:39 |
| S15   | 1635568 | speed velocity   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/25 18:46 |
| S16   | 29      | S13 near10 S15   | US-PGPU B; USPAT        | OR               | ON      | 2006/10/26 10:27 |

## EAST Search History

|     |         |  |                                  |    |    |                     |
|-----|---------|--|----------------------------------|----|----|---------------------|
| S17 | 18289   | linear adj velocity  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>18:47 |
| S18 | 9       | S13 same S17   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>18:49 |
| S19 | 117     | S13 same S15   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>18:56 |
| S20 | 4       | S19 and S2   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>18:56 |
| S21 | 29      | S19 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>19:02 |
| S22 | 322097  | driv\$4 near3 (signal voltage)   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>19:09 |
| S23 | 105     | S22 same S13   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>19:09 |
| S24 | 17      | S23 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/25<br>19:10 |
| S25 | 1       | ("5323373").PN. OR<br>("6407977").URPN.  | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/25<br>19:11 |
| S26 | 394381  | (rf reflection optical<br>reproduc\$4 read\$4) near3<br>signal                               | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:32 |
| S27 | 1637656 | speed velocity   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:32 |
| S28 | 503647  | saturat\$4   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:32 |
| S29 | 69      | S26 near10 S28 same S27  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:32 |
| S30 | 9       | S29 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:33 |
| S31 | 677     | (rf reflection optical<br>reproduc\$4 read\$4) near10<br>saturat\$4 same (speed<br>velocity) | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>11:04 |
| S32 | 54      | S31 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:39 |
| S33 | 43988   | (signal current voltage) near4<br>saturat\$4   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:39 |

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|     |         |   |                                  |    |    |                     |
|-----|---------|---|----------------------------------|----|----|---------------------|
| S34 | 1280    | S33 near10 (speed velocity<br>rotat\$7 revolv\$7)   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:40 |
| S35 | 16      | S34 near10 (disc disk<br>medium)  | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:41 |
| S36 | 9       | S34 and "369".clas.   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>10:41 |
| S37 | 6       | ("5514989"   "5625181"  <br>"5886546"   "5981936"  <br>"6114740"   "6194919").PN.<br>OR ("6480042").URPN. | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/26<br>11:03 |
| S38 | 8818    | gain near3 mode   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/26<br>11:03 |
| S39 | 209     | S38 near6 (speed velocity<br>rotation adj number)   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>11:05 |
| S40 | 11      | S39 and "369".clas.   | US-PGPU<br>B; USPAT              | OR | ON | 2006/10/26<br>11:05 |
| S41 | 514269  | (driv\$4 motor) near3 (signal<br>current voltage)   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:40 |
| S42 | 2957280 | compar\$6   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:40 |
| S43 | 263903  | (rf reflection optical) near3<br>(signal current voltage<br>output)                                       | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:40 |
| S44 | 238     | S41 near10 S42 near10 S43   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:40 |
| S45 | 44      | S44 same (gain amplif\$8)   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:40 |
| S46 | 38      | S44 and "369".clas.   | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | ON | 2006/10/27<br>10:41 |

## EAST Search History

|     |         |  |                                  |    |     |                     |
|-----|---------|--|----------------------------------|----|-----|---------------------|
| S47 | 188293  | (detect\$4 determin\$4<br>measur\$4) near3 (speed<br>velocity)                   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/27<br>18:19 |
| S48 | 444815  | (driv\$4 motor) near3 (current<br>voltage signal)                                | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/27<br>18:19 |
| S49 | 5801    | S47 near6 (disk disc<br>medium)  | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/27<br>18:21 |
| S50 | 194     | S48 near10 S49   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/27<br>18:21 |
| S51 | 84      | S50 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:53 |
| S52 | 1       | ("4397011").PN.  | US-PGPU<br>B;<br>USPAT;<br>USOCR | OR | OFF | 2006/10/27<br>14:50 |
| S53 | 50510   | (reduc\$4 low\$6) near3 gain   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:54 |
| S54 | 535738  | (rf reflect\$4 optical read\$4<br>reproduc\$5) near3 (signal<br>current voltage) | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>12:02 |
| S55 | 949     | S53 near10 S54   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:55 |
| S56 | 2579646 | speed velocity rotat\$7<br>revolv\$7   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:55 |
| S57 | 20      | S55 near10 S56   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:57 |
| S58 | 1       | S55 same S57 and "369".clas.   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>10:58 |
| S59 | 69      | S55 and "369".clas.  | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>11:48 |
| S60 | 1993    | S54 near6 saturat\$4   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>11:08 |
| S61 | 90      | S60 same S56   | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>11:09 |
| S62 | 441603  | (optical digital compact) adj2<br>(disc disk storage medium)<br>cd dvd           | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>11:10 |
| S63 | 22      | S61 and S62  | US-PGPU<br>B; USPAT              | OR | ON  | 2006/10/28<br>11:10 |

## EAST Search History

|     |        |  |                     |    |    |                     |
|-----|--------|--|---------------------|----|----|---------------------|
| S64 | 1830   | "automatic gain control".ab.   | US-PGPU<br>B; USPAT | OR | ON | 2006/10/28<br>11:48 |
| S65 | 36     | S64 and "369".clas.  | US-PGPU<br>B; USPAT | OR | ON | 2006/10/28<br>12:00 |
| S66 | 134413 | (rf reflect\$4 optical read\$4<br>reproduc\$5) near3 (signal<br>current voltage) | JPO                 | OR | ON | 2006/10/28<br>12:02 |
| S67 | 4389   | S66 and gain   | JPO                 | OR | ON | 2006/10/28<br>12:02 |
| S68 | 411    | S67 and (speed velocity)   | JPO                 | OR | ON | 2006/10/28<br>12:02 |
| S69 | 89     | S68 and (disc disk)  | JPO                 | OR | ON | 2006/10/28<br>12:03 |